

Rev 09/03/00
Admin changes only

Related Products: WI-20515

NFPA

**SECTION 1 - GENERAL INFORMATION**

Worcester Brush
36 Austin Street, Worcester, MA 01609

EMERGENCY/GENERAL INFORMATION
Telephone # (508) 754-6811

SECTION 2 - HAZARDOUS COMPONENTS

HAZARDOUS COMPONENT	CAS #	DOT ID #	- EXPOSURE LIMITS -		- CARCINOGEN -			- NFPA RATING -			
			OSHA PEL	ACGIH TLV	NTP	IARC	OSHA	H	F	R	%
1. SODIUM HYDROXIDE	1310-73-2	UN1823	2 mg/m3	2 mg/m3	N	N	N	3	0	2	
2. N/A											
3. N/A											
4. N/A											
5. N/A											
6. N/A											
7. N/A											
8. N/A											
9. N/A											
10. N/A											
11. N/A											

NFPA (NATIONAL FIRE PREVENTION ASSOCIATION) HAZARD RATINGS: H = HEALTH HAZARD, F = FIRE HAZARD, R = REACTIVITY HAZARD, 0 = MINIMAL HAZARD, 1 = SLIGHT HAZARD, 2 = MODERATE HAZARD, 3 = HIGH HAZARD, 4 = EXTREME HAZARD (SEE SECTION 15)

N/A = NOT APPLICABLE, ND = NO DATA AVAILABLE, Y = YES, N = NO, X = UNKNOWN

SECTION 3 - HAZARDS IDENTIFICATION

ACUTE (IMMEDIATE) SYMPTOMS Sodium Hydroxide is corrosive to all bodily tissues including respiratory tract and eyes. Will cause immediate irritation at least and can cause severe burns and tissue destruction.

CHRONIC (LONG TERM) SYMPTOMS Long term effects are unknown. Special precautions should be taken to prevent aggravating any respiratory disfunctions. May cause damage to respiratory tract and/or tissue. Special precautions should be taken to prevent skin contact and inhalation.

CONDITIONS AGGRAVATED BY EXPOSURE Respiratory, kidney, liver, nervous disorders, dermatitis

ROUTES OF ENTRY / SYMPTOMS

EYES — Material is destructive to eye tissue. Will cause severe burns which could result in permanent damage or blindness.

SKIN — Material is destructive to body tissue. Can cause severe irritation and/or burns.

INHALATION — Airborne mist can cause damage and/or burns to the respiratory tract and lung tissue producing chemical pneumonia depending on the length and severity of exposure.

INGESTION — Material can cause severe burns and complete tissue perforation of the mucous membrane of the mouth, nose, throat, esophagus and/or stomach.

SECTION 4 - FIRST AID

EYES — GET MEDICAL ATTENTION IMMEDIATELY while performing first aid. Flush entire surface IMMEDIATELY with large amounts of flowing water for at least 15 minutes while holding the eyelid open. If only one eye is affected be sure to prevent contaminating of unaffected eye. Be sure flush water flows away from the unaffected eye.

SKIN — Wash the affected and surrounding area IMMEDIATELY with soap and water for at least 15 minutes. Remove all contaminated clothing. GET MEDICAL ATTENTION IMMEDIATELY. Wash contaminated clothing thoroughly before wearing.

INHALATION — GET MEDICAL ATTENTION IMMEDIATELY while performing first aid. Move person to fresh air. Administer artificial respiration or oxygen as needed.

INGESTION — GET MEDICAL ATTENTION IMMEDIATELY while performing first aid. DO NOT INDUCE VOMITING. Give large amounts of water or milk to dilute. If vomiting occurs, prevent aspiration.

FOR EMERGENCY INFORMATION CONTACT YOUR LOCAL POISON CONTROL CENTER OR EMERGENCY MEDICAL FACILITY. WHEN CALLING HAVE THE PRODUCT LABEL AVAILABLE. WITHIN MASSACHUSETTS CALL 1-800-682-9211 OR 1-617-232-2120.

MATERIAL SAFETY DATA SHEET

Rev 03/03/00

SECTION 5 - FIRE / EXPLOSION HAZARDS

FLASHPOINT — N/A

METHOD — N/A

FLAMMABILITY LIMITS — LOWER — UPPER —

AUTOIGNITION POINT — N/A

EXTINGUISHING MEDIA — Water fog, dry chemical, CO2

N/D N/D

SPECIAL FIREFIGHTING PROCEDURES Wear full protective clothing and positive pressure self-contained breathing apparatus. Avoid contact with water, may result in an exothermic reaction.

UNUSUAL FIRE OR EXPLOSION HAZARDS Can react with water and be corrosive to tin, aluminum or zinc. Hazardous carbon monoxide may be formed.

SECTION 6 - ACCIDENTAL RELEASE

This product is a dilute solution. The RQ for Sodium Hydroxide is 1000 pounds. Spilled material may be collected using standard spill absorption material. The contaminated spill absorber is a hazardous material and must be disposed of in accordance with all Local, State and Federal Regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING — This is a highly caustic material. Wear gloves, safety goggles and a NIOSH approved mist respirator properly fitted. Avoid spills. Solution may stain most fabrics.

STORAGE — KEEP CONTAINER TIGHTLY CLOSED. DO NOT REUSE CONTAINER. DO NOT TRANSFER CONTENTS TO AN UNMARKED CONTAINER. Avoid freezing. Freezing will not harm product performance. KEEP OUT OF REACH OF CHILDREN.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY PROTECTION — Wear an approved and properly fitted NIOSH respirator.

HAND PROTECTION — Wear neoprene rubber gloves.

EYE PROTECTION — Wear safety goggles.

CLOTHING — Use old work clothes. Product will stain. Do not wear contaminated clothing until washed. Remove wet clothing immediately.

HYGIENIC PRACTICES — Keep hands away from mouth and eyes when using. Keep away from food or other personal items. Wash thoroughly after using or handling product.

SECTION 9 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT (Degrees F) — 220 deg F

MELTING POINT (Degrees F) — N/A

APPEARANCE —

SPECIFIC GRAVITY (H2O = 1) — 1.1

SOLUBILITY in WATER — Infinite

FORM — Liquid

VAPOR DENSITY (Air = 1) — N/D

DENSITY — N/D

ODOR — Nil

VAPOR PRESSURE (mmHg) — N/D

EVAPORATION RATE — N/D

COLOR — Clear/Yellowish

pH — N/D

SECTION 10 - STABILITY / REACTIVITY

STABILITY — Stable

HAZARDOUS POLYMERIZATION — None known

CONDITIONS TO AVOID — None known. Do not use in temperatures below 55 deg F, ineffective.

INCOMPATIBILITY (MATERIALS TO AVOID) — Avoid tin, aluminum, zinc and strong acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS — Sodium Hydroxide, can produce toxic oxides when heated to decomposition.

SECTION 11 - TOXICOLOGICAL INFORMATION

product has not been tested as a mixture for health effects, therefore, the health and toxicological effects data if any, should be considered to be that of individual components

This product does NOT contain any chemical known to the State of California to cause cancer and birth defects or other reproductive harm

This product does not contain any known carcinogens nor does it contain any known reproductive toxins

SECTION 12 - ECOLOGICAL INFORMATION

CLEAN AIR ACT - THIS PRODUCT IS FREE OF AND NOT MANUFACTURED USING ANY KNOWN CLASS 1 OR CLASS 2 OZONE DEPLETING CHEMICALS (ODCs)

This product complies with the State of California's Safe Drinking Water and Toxic Enforcement Act of 1985, Proposition 65.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal of any hazardous by-product or hazardous residuals of this product must be in compliance with any and all Local, State and/or Federal Regulations

This product or the residuals should never be buried, poured into a drain, sewerage system or other body of water.

SECTION 14 - TRANSPORTATION INFORMATION

DOT Shipping Information Sodium Hydroxide, UN1824, PGII (Corrosive Liquid), ERG# 60.

This product although containing a hazardous substance is classified and shipped as ORM-D (Other Regulated Material) a Consumer Commodity (as defined by 49 CFR 171.8) and is in compliance with the "limited quantity exemption" and complies with 49 CFR 173.154 Packaging Exception

SECTION 15 - REGULATORY INFORMATION

California Proposition 65 To the best of our knowledge this product does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm

OSHA Classification Corrosive Liquid

Sodium Hydroxide Liquid is reportable under CERCLA and releases in excess of RQ must be reported in compliance with 40 CFR 302.6 Sodium Hydroxide, listed in EPA TSCA Inventory

NFPA RATING SYSTEM**SECTION 16 - OTHER INFORMATION / DISCLAIMERS**

S Sheets are available on all Worcester Brush and August West products upon request. This MSDS Sheet meets all the requirements of the OSHA Standard, 29 CFR 1910.1200. The format of this MSDS complies with the voluntary standard of the American National Standards Institute, ANSI Z400.1. This product contains hazardous or potentially harmful materials. Use of this product in a manner not consistent with label instructions is a violation of Federal Law. This MSDS Sheet is offered for your information, consideration and investigation in compliance with the "Right-To-Know" laws. The Sonju Corporation, manufacturer of Worcester Brush and August West products, provides no warranties, either expressed or implied. With respect to the information herein, the Sonju Corporation assumes no liability resulting from its use. Users should use this information to make their own investigation to